WHAT IS CLAIMED IS:

- 1. A rigid, three-dimensional, transparent structure comprising a cured filler-less epoxy compound.
- 2. The rigid, three-dimensional, transparent structure of claim 1 wherein said structure is cylindrical.
- 5 3. The rigid, three-dimensional, transparent structure of claim 2 wherein said cylindrical structure is a sight bowl.
 - 4. The rigid, three-dimensional, transparent structure of claim 3 wherein said sight bowl is for use in a utility or industrial transformer.
- 5. The rigid, three-dimensional, transparent structure of claim 4 wherein said sight bowl is for use in a high voltage bushing of said utility or industrial transformer.
 - 6. The rigid, three-dimensional, transparent structure as in any of claims 1-5 wherein said cured filler-less epoxy compound is a cycloaliphatic epoxy resin
- 7. The rigid, three-dimensional, transparent structure of claim 6 wherein said cured filler-less epoxy compound is anhydride cured.
 - 8. The rigid, three dimensional, transparent structure of claim 7 wherein said cured filler-less epoxy compound contains ultraviolet light absorbers.
 - 9. A method of making a rigid, three-dimensional, transparent cured epoxy structure comprising:
- obtaining a cured filler-less epoxy compound; and pre-stressing said filler-less epoxy compound.

- The method of claim 9 wherein said obtaining a cured filler-less epoxy compound comprises:

 obtaining a molded filler-less epoxy compound; and heating said filler-less epoxy compound until completely cured.
- 5 11. The method of claim 10 wherein said heating comprises exposing said fillerless epoxy compound to 150°C for twelve hours.
 - The method of any of claims 9-11 wherein said cured filler-less epoxy compound is a cycloaliphatic epoxy resin.
- The method of claim 12 wherein said cured filler-less epoxy compound is anhydride cured.
 - 14. The method of claim 13 wherein said cured filler-less epoxy compound contains ultraviolet light absorbers.
 - 15. The method of any of claims 9-11 wherein said pre-stressing comprises heating said cured filler-less epoxy compound under pressurized conditions.
- 15 16. The method of claim 15 wherein said cured filler-less epoxy compound is a cycloaliphatic epoxy resin.
 - 17. The method of claim 15 wherein said pre-stressing comprises heating said cured filler-less epoxy compound under pressurized conditions.
- The method of claim 17 wherein said pre-stressing comprises heating said cured filler-less epoxy compound at a temperature of 105°C or above under pressurized conditions.
 - 19. The method of claim 12 wherein said pre-stressing comprises:

heating said cured filler-less epoxy compound at 105°C for forty eight hours under a pressure of about 2,500 psi;

cooling said cured filler-less epoxy compound;

heating said cured filler-less epoxy compound at 105°C for forty eight hours

5 under a pressure of about 2,500 psi;

cooling said cured filler-less epoxy compound; and

heating said cured filler-less epoxy compound at 105°C for forty eight hours under a pressure of about 2,500 psi.

The method of claim 12 wherein said pre-stressing comprises heating cured filler-less epoxy compound at 125°C for twelve hours under a pressure of about 2,500 psi.